## SEQUENCE LISTING

<110>	Commonwea	lth	Scie	ntific	and	Indus	stria	al Re	esear	cch	Orgar	nisat	ion
<120>	Expression	n sy	stem										
<130>	13447210												
<160>	40												
<170>	PatentIn	vers	ion 3	3.2									
<210>	1												
<211>	30												
<212>	PRT												
<213>	Artificia	al Se	quen	ce									
<220>													
<223>	signal se	quen	ice										
<400>	1												
Met Lys	s Lys Arg	Arg	Val V	Val Asr	ı Sei	c Val	Leu	Leu	Leu	Leu	Leu	Leu	
1		5				10					15		
Ala Ser	Ala Leu	Ala	Leu :	Thr Val	. Ala	a Pro	Met	Ala	Lys	Ala			
	20				25					30			
<210>	2												
<211>	46												
<212>	PRT												
<213>	Artificia	ıl Se	quen	ce									
<220>													
<223>	signal se	equen	ce										
<400>	2												

<210> 3
<211> 41
<212> PRT
<213> Artificial Sequence
<220>
<223> signal sequence
<400> 3

Met Ser Arg Ser Ala Lys Pro Gln Asn Gly Arg Arg Arg Phe Leu Arg

1 5 10 15

Asp Val Val Arg Thr Ala Gly Gly Leu Ala Ala Val Gly Val Ala Leu

20 25 30

Gly Leu Gln Gln Gln Thr Ala Arg Ala

35 40

<210> 4
<211> 27
<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence <400> 4 Met Thr Trp Ser Arg Arg Gln Phe Leu Thr Gly Val Gly Val Leu Ala 10 15 Ala Val Ser Gly Thr Ala Gly Arg Val Val Ala 25 20 <210> 5 <211> 27 <212> PRT <213> Artificial Sequence <220> <223> signal sequence <400> 5 Met Asp Arg Arg Phe Leu Thr Leu Leu Gly Ser Ala Gly Leu Thr 5 10 15 1 Ala Thr Val Ala Thr Ala Gly Thr Ala Lys Ala 25 20 <210> 6 <211> 37 <212> PRT <213> Artificial Sequence

Met Ser Glu Lys Asp Lys Met Ile Thr Arg Arg Asp Ala Leu Arg Asn

<220>

<400> 6

<223> signal sequence

1 5 10 15 Ile Ala Val Val Gly Ser Val Ala Thr Thr Thr Met Met Gly Val 25 30 20 Gly Val Ala Asp Ala 35 <210> 7 <211> 34 <212> PRT <213> Artificial Sequence <220> <223> signal sequence <400> 7 Met Gln Ile Val Asn Leu Thr Arg Arg Gly Phe Leu Lys Ala Ala Cys 10 15 5 1 Val Val Thr Gly Gly Ala Leu Ile Ser Ile Arg Met Thr Gly Lys Ala 20 25 30 Val Ala <210> 8

<211> 45

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 8

Met Asn Asn Glu Glu Thr Phe Tyr Gln Ala Met Arg Arg Gln Gly Val 10 5 Thr Arg Arg Ser Phe Leu Lys Tyr Cys Ser Leu Ala Ala Thr Ser Leu 25 30 20 Gly Leu Gly Ala Gly Met Ala Pro Lys Ile Ala Trp Ala 40 45 35 <210> 9 <211> 48 <212> PRT <213> Artificial Sequence <220> <223> signal sequence <400> 9 Met Ser Thr Gly Thr Thr Asn Leu Val Arg Thr Leu Asp Ser Met Asp 5 10 15 1 Phe Leu Lys Met Asp Arg Arg Thr Phe Met Lys Ala Val Ser Ala Leu 25 30 20 Gly Ala Thr Ala Phe Leu Gly Thr Tyr Gln Thr Glu Ile Val Asn Ala 40 35 45 <210> 10 <211> 50 <212> PRT

<213> Artificial Sequence

<223> signal peptide

<220>

```
<400> 10
Met Lys Cys Tyr Ile Gly Arg Gly Lys Asn Gln Val Glu Glu Arg Leu
                                    10
                                                        15
Glu Arg Arg Gly Val Ser Arg Arg Asp Phe Met Lys Phe Cys Thr Ala
                                                    30
            20
                                25
Val Ala Val Ala Met Gly Met Gly Pro Ala Phe Ala Pro Lys Val Ala
                                                45
        35
                            40
Glu Ala
    50
<210> 11
<211> 26
<212> PRT
<213> Artificial Sequence
<220>
<223> signal sequence
<400> 11
Met Asn Arg Arg Asn Phe Ile Lys Ala Ala Ser Cys Gly Ala Leu Leu
                5
                                    10
                                                        15
Thr Gly Ala Leu Pro Ser Val Ser His Ala
            20
                                25
<210> 12
```

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

```
<223> signal sequence
<400> 12
Met Ser His Ala Asp Glu His Ala Gly Asp His Gly Ala Thr Arg Arg
                                    10
                                                        15
Asp Phe Leu Tyr Tyr Ala Thr Ala Gly Ala Gly Thr Val Ala Ala Gly
                                25
                                                    30
            20
Ala Ala Arp Thr Leu Val Asn Gln Met Asn Pro
                            40
        35
<210> 13
<211>
     44
<212> PRT
<213> Artificial Sequence
<220>
<223> signal sequence
<400> 13
Met Thr Gln Ile Ser Gly Ser Pro Asp Val Pro Asp Leu Gly Arg Arg
                                                        15
Gln Phe Met Asn Leu Leu Thr Phe Gly Thr Ile Thr Gly Val Ala Ala
            20
                                25
                                                    30
Gly Ala Leu Tyr Pro Ala Val Lys Tyr Leu Ile Pro
                            40
        35
<210> 14
<211> 32
```

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 14

Met Asp Arg Arg Thr Phe Leu Arg Leu Tyr Leu Leu Val Gly Ala Ala

1 5 10 15

Ile Ala Val Ala Pro Val Ile Lys Pro Ala Leu Asp Tyr Val Gly Tyr

20 25 30

<210> 15

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 15

Met Thr Lys Leu Ser Gly Gln Glu Leu His Ala Glu Leu Ser Arg Arg

1 5 10 15

Ala Phe Leu Ser Tyr Thr Ala Ala Val Gly Ala Leu Gly Leu Cys Gly

20 25 30

أخلط أنطي الما

Thr Ser Leu Leu Ala Gln Gly Ala Arg Ala

35 40

<210> 16

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 16

Met Thr Leu Thr Arg Arg Glu Phe Ile Lys His Ser Gly Ile Ala Ala

1 5 10 15

Gly Ala Leu Val Val Thr Ser Ala Ala Pro Leu Pro Ala Trp Ala

20 25 30

<210> 17

<211> 31

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 17

Met Thr Ile Ser Arg Arg Asp Leu Leu Lys Ala Gln Ala Ala Gly Ile

1 5 10 15

Ala Ala Met Ala Ala Asn Ile Pro Leu Ser Ser Gln Ala Pro Ala

20 25 30

<210> 18

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 18

Met Ser Glu Ala Leu Ser Gly Arg Gly Asn Asp Arg Arg Lys Phe Leu

1 10 15

Lys Met Ser Ala Leu Ala Gly Val Ala Gly Val Ser Gln Ala Val Gly
20 25 30

<210> 19

<211> 45

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 19

Met Lys Thr Lys Ile Pro Asp Ala Val Leu Ala Ala Glu Val Ser Arg

1 5 10 15

Arg Gly Leu Val Lys Thr Thr Ala Ile Gly Gly Leu Ala Met Ala Ser

20 25 30

Ser Ala Leu Thr Leu Pro Phe Ser Arg Ile Ala His Ala

35 40 45

<210> 20

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 20

Met Ser Asn Phe Asn Gln Ile Ser Arg Arg Asp Phe Val Lys Ala Ser

1 5 10 15

Ser Ala Gly Ala Ala Leu Ala Val Ser Asn Leu Thr Leu Pro Phe Asn 20 25 30 Val Met Ala 35 <210> 21 <211> 30 <212> PRT <213> Artificial Sequence <220> <223> signal sequence <400> 21 Met Ser Ile Ser Arg Arg Ser Phe Leu Gln Gly Val Gly Ile Gly Cys 10 15 5 1 Ser Ala Cys Ala Leu Gly Ala Phe Pro Pro Gly Ala Leu Ala . 25 30 20

<210> 22

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 22

Met Lys Thr Val Leu Pro Ser Val Pro Glu Thr Val Arg Leu Ser Arg

1 10 15

Arg Gly Phe Leu Val Gln Ala Gly Thr Ile Thr Cys Ser Val Ala Phe

20 25 30

Gly Ser Val Pro Ala

35

<210> 23

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 23

Met Gly Arg Leu Asn Arg Phe Arg Leu Gly Lys Asp Gly Arg Arg Glu

1 5 10 15

Gln Ala Ser Leu Ser Arg Arg Gly Phe Leu Val Thr Ser Leu Gly Ala

20 25 30

Gly Val Met Phe Gly Phe Ala Arg Pro Ser Ser Ala

35 40

<210> 24

<211> 50

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 24

Met Ser Asp Lys Asp Ser Lys Asn Thr Pro Gln Val Pro Glu Lys Leu

1 5 10 15

Gly Leu Ser Arg Arg Gly Phe Leu Gly Ala Ser Ala Val Thr Gly Ala

20 25 30

Ala Val Ala Ala Thr Ala Leu Gly Gly Ala Val Met Thr Arg Glu Ser

35 40 45

Trp Ala

50

<210> 25

<211> 32

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 25

Met Glu Ser Arg Thr Ser Arg Arg Thr Phe Val Lys Gly Leu Ala Ala

1 5 10 15

Ala Gly Val Leu Gly Gly Leu Gly Leu Trp Arg Ser Pro Ser Trp Ala

20 25 30

<210> 26

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 26

Met Ser Leu Ser Arg Arg Gln Phe Ile Gln Ala Ser Gly Ile Ala Leu

1

10

15

Cys Ala Gly Ala Val Pro Leu Lys Ala Ser Ala 25 20 <210> 27 <211> 30 <212> PRT <213> Artificial Sequence <220> <223> signal sequence <400> 27 Met Thr Leu Asn Arg Arg Asp Phe Ile Lys Thr Ser Gly Ala Ala Val 5 10 15 1 Ala Ala Val Gly Ile Leu Gly Phe Pro His Leu Ala Phe Gly 25 30 20 <210> 28 <211> 45 <212> PRT <213> Artificial Sequence <220> <223> signal sequence <400> 28 Met Thr Asp Ser Arg Ala Asn Arg Ala Asp Ala Thr Arg Gly Val Ala 5 10 1 Ser Val Ser Arg Arg Phe Leu Ala Gly Ala Gly Leu Thr Ala Gly

25

30

20

## Ala Ile Ala Leu Ser Ser Met Ser Thr Ser Ala Ser Ala

35 40 45

<210> 29

<211> 1155

<212> DNA

<213> Agrobacterium radiobacter

<400> 29

atgcaaacga	gaagagatgc	acttaagtct	gcggccgcaa	taactctgct	cggcggcttg	60
gctgggtgtg	caagcatggc	ccgaccaatc	ggtacaggcg	atctgattaa	tactgttcgc	120
ggccccattc	cagtttcgga	agcgggcttc	acactgaccc	atgagcatat	ctgcggcagt	180
tcggcgggat	tcctacgtgc	gtggccggag	tttttcggta	gccgcaaagc	tctagcggaa	240
aaggctgtga	gaggattacg	ccatgccaga	teggetggeg	tgcaaaccat	cgtcgatgtg	300
tcgactttcg	atatcggtcg	tgacgtccgt	ttattggccg	aagtttcgcg	ggccgccgac	360
gtgcatatcg	tggcggcgac	tggcttatgg	ttcgacccgc	cactttcaat	gcgaatgcgc	420
agcgtcgaag	aactgaccca	gttcttcctg	cgtgaaatcc	aacatggcat	cgaagacacc	480
ggtattaggg	cgggcattat	caaggtcgcg	accacaggga	aggcgacccc	ctttcaagag	540
ttggtgttaa	aggcagccgc	gcgggccagc	ttggccaccg	gtgttccggt	aaccactcac	600
acgtcagcaa	gtcagcgcga	tggcgagcag	caggcagcca	tatttgaatc	cgaaggtttg	660
agcccctcac	gggtttgtat	cggtcacagc	gatgatactg	acgatttgag	ctacctaacc	720
ggcctcgctg	cgcgcggata	cctcgtcggt	ttagatcgca	tgccgtacag	tgcgattggt	780
ctagaaggca	atgcgagtgc	attagcgctc	tttggtactc	ggtcgtggca	aacaagggct	840
ctcttgatca	aggcgctcat	cgaccgaggc	tacaaggatc	gaatcctcgt	ctcccatgac	900
tggctgttcg	ggttttcgag	ctatgtcacg	aacatcatgg	acgtaatgga	tcgcataaac	960
ccagatggaa	tggccttcgt	ccctctgaga	gtgatcccat	tcctacgaga	gaagggcgtc	1020
ccgccggaaa	cgctagcagg	cgtaaccgtg	gccaatcccg	cgcggttctt	gtcaccgacc	1080
gtgcgggccg	tcgtgacacg	atctgaaact	tcccgccctg	ccgcgcctat	tccccgtcaa	1140

gataccgaac gatga

<210> <211> <212> PRT <213> Agrobacterium radiobacter <400> 30 Met Gln Thr Arg Arg Asp Ala Leu Lys Ser Ala Ala Ile Thr Leu Leu Gly Gly Leu Ala Gly Cys Ala Ser Met Ala Arg Pro Ile Gly Thr Gly Asp Leu Ile Asn Thr Val Arg Gly Pro Ile Pro Val Ser Glu Ala Gly Phe Thr Leu Thr His Glu His Ile Cys Gly Ser Ser Ala Gly Phe Leu Arg Ala Trp Pro Glu Phe Phe Gly Ser Arg Lys Ala Leu Ala Glu Lys Ala Val Arg Gly Leu Arg His Ala Arg Ser Ala Gly Val Gln Thr Ile Val Asp Val Ser Thr Phe Asp Ile Gly Arg Asp Val Arg Leu Leu Ala Glu Val Ser Arg Ala Ala Asp Val His Ile Val Ala Ala Thr Gly Leu Trp Phe Asp Pro Pro Leu Ser Met Arg Met Arg Ser Val Glu Glu Leu Thr Gln Phe Phe Leu Arg Glu Ile Gln His Gly Ile Glu Asp Thr 

Gly	Ile	Arg	Ala	Gly	Ile	Ile	Lys	Val	Ala	Thr	Thr	Gly	Lys	Ala	Thr
				165					170					175	
Pro	Phe	Gln	Glu	Leu	Val	Leu	Lys	Ala	Ala	Ala	Arg	Ala	Ser	Leu	Ala
			180					185					190		
Thr	Gly	Val	Pro	Val	Thr	Thr	His	Thr	Ser	Ala	Ser	Gln	Arg	Asp	Gly
		195					200					205			
Glu	Gln	Gln	Ala	Ala	Ile	Phe	Glu	Ser	Glu	Gly	Leu	Ser	Pro	Ser	Arg
	210					215					220				
Val	Cys	Ile	Gly	His	Ser	Asp	Asp	Thr	Asp	Asp	Leu	Ser	Tyr	Leu	Thr
225					230					235					240
Gly	Leu	Ala	Ala	Arg	Gly	Tyr	Leu	Val	Gly	Leu	Asp	Arg	Met	Pro	Tyr
				245					250					255	
Ser	Ala	Ile	Gly	Leu	Glu	Gly	Asn	Ala	Ser	Ala	Leu	Ala	Leu	Phe	Gly
			260					265					270		
Thr	Arg	Ser	Trp	Gln	Thr	Arg	Ala	Leu	Leu	Ile	Lys	Ala	Leu	Ile	Asp
		275					280			,		285			
Arg	Gly	Tyr	Lys	Asp	Arg	Ile	Leu	Val	Ser	His	Asp	Trp	Leu	Phe	Gly
	290					295					300				
Phe	Ser	Ser	Tyr	Val	Thr	Asn	Ile	Met	Asp	Val	Met	Asp	Arg	Ile	Asn
305					310					315					320
Pro	Asp	Gly	Met	Ala	Phe	Val	Pro	Leu	Arg	Val	Ile	Pro	Phe	Leu	Arg
				325					330					335	
Glu	Lys	Gly	Val	Pro	Pro	Glu	Thr	Leu	Ala	Gly	Val	Thr	Val	Ala	Asn
			340					345					350		
Pro	Ala	Arg	Phe	Leu	Ser	Pro	Thr	Val	Arg	Ala	Val	Val	Thr	Arg	Ser
		355					360					365			
Glu	Thr	Ser	Arg	Pro	Ala	Ala	Pro	Ile	Pro	Arg	Gln	Asp	Thr	Glu	Arg

370 375 380

<210> 31

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 31

Met Gln Thr Arg Arg Asp Ala Leu Lys Ser Ala Ala Ile Thr Leu

1 5 10 15

Leu Gly Gly Leu Ala Gly Cys Ala Ser Met Ala Arg

20 25

<210> 32

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 32

Met Lys Lys Arg Arg Val Val Asn Ser Val Leu Leu Leu Leu Leu

1 5 10 15

Ala Ser Ala Leu Ala Leu Thr Val Ala Pro Met Ala Phe Ala Ala Gly

20 25 30

Ser

```
<210> 33
<211> 40
<212> DNA
<213> Artificial Sequence
<220>
<223> oligonucleotide
<400> 33
                                                                    40
gttcagccca tggctaaagc tgcagagcac ggatccgatc
<210> 34
<211> 40
<212> DNA
<213> Artificial Sequence
<220>
<223> oligonucleotide
<400> 34
gatcggatcc gtgctctgca gctttagcca tgggctgaac
                                                                    40
<210> 35
<211> 33
<212> PRT
<213> Artificial Sequence
<220>
<223> signal sequence
<400> 35
```

Met Lys Lys Arg Arg Val Val Asn Ser Val Leu Leu Leu Leu Leu

<210> 36 <211> 33 <212> PRT

<213> Artificial Sequence

<220>

<223> signal sequence

<400> 36

Met Lys Lys Arg Arg Val Val Asn Ser Val Leu Leu Leu Leu Leu Leu Leu 1

Ser Ala Leu Ala Leu Thr Val Ala Pro Met Ala Lys Ala Ala Glu

20 25 30

His

<210> 37 <211> 24 <212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide

<400> 37

catgtc	gaca tggatcccgt cgtt	24
<210>	38	
<211>	27	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	oligonucleotide	
<400>	38	
catgaa	ttct tatttttgaa ctggtaa	27
<210>	39	
<211>	33	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	oligonucleotide	
<400>	39	
gtctaa	ggat ccatgaaaga agaactaaaa acc	33
<210>	40	
<211>	30	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	oligonucleotide	
<400>	4 0	

gtctaaaagc ttttaccagt ttagctttag